Title (en)

METHODS AND APPARATUS ADAPTED TO IDENTIFY A SPECIMEN CONTAINER FROM MULTIPLE LATERAL VIEWS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR IDENTIFIZIERUNG EINES PROBENBEHÄLTERS AUS MEHREREN SEITLICHEN ANSICHTEN

Title (fr)

PROCÉDÉS ET APPAREIL PERMETTANT D'IDENTIFIER UN RÉCIPIENT D'ÉCHANTILLON À PARTIR DE PLUSIEURS VUES LATÉRALES

Publication

EP 3408640 B1 20210106 (EN)

Application

EP 17744778 A 20170124

Priority

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- US 2017014773 W 20170124

Abstract (en)

[origin: WO2017132167A1] A model-based method of determining characteristics of a specimen container. The method includes providing a specimen container, capturing images of the specimen container at different exposures times and at different spectra having different nominal wavelengths, selecting optimally-exposed pixels from the images at different exposure times at each spectra to generate optimally-exposed image data for each spectra, and classifying the optimally-exposed pixels as at least being one of tube, label or cap, and identifying a width, height, or width and height of the specimen container based upon the optimally-exposed image data for each spectra. Quality check modules and specimen testing apparatus adapted to carry out the method are described, as are other aspects.

IPC 8 full level

G01N 1/00 (2006.01); **G01N 3/00** (2006.01); **G01N 21/00** (2006.01); **G01N 21/25** (2006.01); **G01N 21/90** (2006.01); **G01N 21/95** (2006.01); **G01N 35/10** (2006.01); **G06T 5/00** (2006.01); **G06T 5/50** (2006.01); **G06T 7/11** (2017.01); **G06T 7/60** (2017.01); **H04N 23/90** (2023.01); G01N 35/04 (2006.01)

CPC (source: EP US)

G01N 35/00732 (2013.01 - EP US); **G01N 35/04** (2013.01 - US); **G01N 35/1016** (2013.01 - EP US); **G06F 18/2411** (2023.01 - US); **G06T 5/50** (2013.01 - EP US); **G06T 5/92** (2024.01 - EP US); **G06T 7/11** (2017.01 - EP US); **G06T 7/60** (2013.01 - EP US); **H04N 23/90** (2023.01 - US); G01N 35/02 (2013.01 - EP US); G01N 2035/00752 (2013.01 - EP US); G01N 2035/0406 (2013.01 - EP US); G01N 2035/047 (2013.01 - EP US); G01N 2035/0493 (2013.01 - EP US); G01N 2035/1018 (2013.01 - EP US); G01N 2035/1025 (2013.01 - EP US); G06T 2207/10024 (2013.01 - EP US); G06T 2207/10144 (2013.01 - EP US); G06T 2207/10152 (2013.01 - EP US); G06T 2207/20081 (2013.01 - EP US); G06T 2207/20084 (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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